

OFFICE OF THE SUPPLY COMMISSIONER  
1200 MARKET ST RM 324  
ST LOUIS MO 63103-2842



3201400057

1

ADDRESS CORRESPONDENCE TO

TO

SHIP TO

SEE TERMS AND CONDITIONS ON THE REVERSE SIDE OF THIS QUOTATION SHEET.

|              |               |          |        |               |
|--------------|---------------|----------|--------|---------------|
| DATE PRINTED | TERMS OF SALE | SHIP VIA | F.O.B. | FREIGHT TERMS |
| 04/17/14     |               |          |        |               |

REPLY DUE BY: 04/30/14 12:00 O'CLOCK NOON

| NEEDED BY<br>DATE | QUANTITY                                                     | UNIT               | CAT.<br>NO. | ITEM<br>NUMBER | UNIT<br>PRICE | AMOUNT |
|-------------------|--------------------------------------------------------------|--------------------|-------------|----------------|---------------|--------|
|                   | REQ LINE NUMBER :                                            | 0001               |             |                |               |        |
|                   | 4 EACH CITY                                                  | 320-MIC-BASE       |             |                |               |        |
|                   | MICROPHONE BASE COURTROOM                                    | 1                  |             |                |               |        |
|                   | REFER TO ATTACHED SPECS FOR SHURE MX410 LP/C                 | 10 INCH MICROPHONE |             |                |               |        |
|                   | BIDDING                                                      |                    |             |                |               |        |
|                   | REQ LINE NUMBER :                                            | 0002               |             |                |               |        |
|                   | 4 EACH CITY                                                  | 320-MICROPHONE     |             |                |               |        |
|                   | MICROPHONE FOR COURTROOM                                     | 1                  |             |                |               |        |
|                   | REFER TO ATTACHED SPECS FOR SURE MX 890 WIRELESS MIC BASE    |                    |             |                |               |        |
|                   | BIDDING                                                      |                    |             |                |               |        |
|                   | REQ LINE NUMBER :                                            | 0003               |             |                |               |        |
|                   | 4 EACH CITY                                                  | 320- RECEIVER      |             |                |               |        |
|                   | WIRELESS MIC RECEIVER                                        |                    |             |                |               |        |
|                   | REFER TO ATTACHED SPECS FOR SHURE SLX4 WIRELESS MIC RECEIVER |                    |             |                |               |        |
|                   | BIDDING                                                      |                    |             |                |               |        |
|                   |                                                              |                    |             |                | TOTAL →       |        |

|                             |       |                                      |                     |      |
|-----------------------------|-------|--------------------------------------|---------------------|------|
| NAME OF FIRM                |       | STATE DELIVERY:<br><br>CALENDAR DAYS | COMPTROLLER         | Date |
| ADDRESS                     |       |                                      |                     |      |
| CITY                        | STATE | SIGNED BY:                           | SUPPLY COMMISSIONER | Date |
| PHONE<br>Area Code (      ) |       |                                      |                     |      |

# CITY OF ST. LOUIS

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| ADDRESS CORRESPONDENCE TO |
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... We agree to furnish the following articles to the City of St. Louis,  
free of any extra charges, in the quantity named and at the prices respectively  
stated:

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FAMILY COURT  
JUVENILE DIVISION  
920 NORTH VANDEVENTER  
ST LOUIS MO 63108

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| 04/17/14     |               |          |        |               |

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|-------------------|------------------------------------------------------------------------------------------------------------------------|------|-------------|----------------|----------------|--------|
|                   | REQ LINE NUMBER :                                                                                                      |      | 0004        |                |                |        |
|                   | 1                                                                                                                      | EACH | CITY        | 320-MIXER      |                |        |
|                   | MICROPHONE MIXER FOR WIRELESS MIC COURTROOM 1                                                                          |      |             |                |                |        |
|                   | BIDDING                                                                                                                |      |             |                |                |        |
|                   | OR ACCEPTABLE EQUAL<br>CLEARLY STATE MFG., NO & BRAND                                                                  |      |             |                |                |        |
|                   | VENDOR MUST SUBMIT DETAILED INFORMATION WITH BID ON<br>PRODUCT OFFERED                                                 |      |             |                |                |        |
|                   | STATE BEST GUARANTEED DELIVERY: _____ A.R.O.                                                                           |      |             |                |                |        |
|                   | ALL ITEMS SHALL BE F.O.B. DESTINATION                                                                                  |      |             |                |                |        |
|                   | VENDOR/SUPPLIER MUST HAVE VALID CITY BUSINESS LICENSE<br>AND NO TAX DELINQUENCIES ON FILE WITH THE CITY OF<br>ST LOUIS |      |             |                |                |        |
|                   | LIST ITEMS MANUFACTURED, ASSEMBLED OR PRODUCED<br>IN A FOREIGN COUNTRY ON THIS FORM                                    |      |             |                |                |        |
|                   |                                                                                                                        |      |             |                | <b>TOTAL →</b> |        |

|                    |       |                 |                     |      |
|--------------------|-------|-----------------|---------------------|------|
| NAME OF FIRM       |       | STATE DELIVERY: | COMPTROLLER         | Date |
| ADDRESS            |       |                 |                     |      |
| CITY               | STATE | CALENDAR DAYS   | SUPPLY COMMISSIONER | Date |
| PHONE              |       | SIGNED BY:      |                     |      |
| Area Code (      ) |       |                 |                     |      |

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| NEEDED BY<br>DATE                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | QUANTITY | UNIT | CAT.<br>NO. | ITEM<br>NUMBER | UNIT<br>PRICE | AMOUNT         |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------|------|-------------|----------------|---------------|----------------|
| <p>IT IS THE POLICY OF THE SUPPLY DIVISION THAT ALL BIDS/<br/>CONTRACTS AWARDED IN THE AMOUNT OF \$500.00 AND ABOVE<br/>ADHERE TO THE MAYOR'S EXECUTIVE ORDER #28 WHICH RE-<br/>QUIRES MINIMUM UTILIZATION OF MINORITY OWNED BUSINESSES<br/>OF 25% AND WOMEN OWNED BUSINESSES OF 5%. ALL VENDORS<br/>MUST COMPLY WITH THIS POLICY AND ALL OTHER PROVISIONS<br/>OF EXECUTIVE ORDER NO. 28.</p> <p>IF FREIGHT OR DELIVERY CHARGE TO BE BILLED, IT MUST<br/>BE INCLUDED IN THIS QUOTE OR IT WILL NOT BE PAID<br/>( ) FREIGHT IS INCLUDED IN THE QUOTED UNIT PRICE<br/>( ) WE WILL CHARGE FREIGHT/DELIVERY IN THE AMOUNT OF:<br/>\$ _____</p> <p>PLEASE TYPE NAME OF CONTACT PERSON FOR THIS BID:<br/>NAME: _____<br/>FAX: _____<br/>E-MAIL: _____</p> <p>NOTICE RE: ORDINANCE #60643</p> <p>A CITY OF ST. LOUIS BUSINESS LICENSE IS REQUIRED IF<br/>YOU MEET ANY OF THE FOLLOWING (CHECK AS APPROPRIATE):<br/>____ BUSINESS IS LOCATED WITHIN THE CITY LIMITS<br/>____ DELIVERY WITHIN CITY LIMITS IS BY COMPANY TRUCK<br/>____ SALES CALLS MADE WITHIN THE CITY LIMITS</p> |          |      |             |                |               |                |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |          |      |             |                |               | <b>TOTAL →</b> |

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| ADDRESS                    |       |                                      |                     |      |
| CITY                       | STATE | SIGNED BY:                           | SUPPLY COMMISSIONER | Date |
| PHONE<br>Area Code (     ) |       |                                      |                     |      |

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|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------|------|-------------|----------------|---------------|----------------|
| <p>*****NEW BIDDING INFORMATION*****</p> <p>FOR ALL BIDS, THE CITY RESERVES THE RIGHT TO MAKE A SPLIT AWARD<br/>IF A BIDDER DOES NOT WISH TO ACCEPT A SPLIT BID AWARD, HE/SHE<br/>MUST STATE " ALL OR NONE" ON BID OFFER, SEE BELOW. BIDDER MUST<br/>CHECK ONE OF FOLLOWING:</p> <p>BIDDING "ALL OR NONE"</p> <p>SPLIT AWARD ACCEPTABLE</p> <p>***BID RESULTS MAY BE AVAILABLE 30 DAYS AFTER OPENING<br/>DATE. IF YOU DESIRE BID RESULTS, PLEASE INCLUDE A<br/>SELF ADDRESSED STAMPED ENVELOPE WITH YOUR BID. ***</p> <p>+++++</p> <p>BIDS WILL BE AWARDED BASED ON OFFICIAL SPECIFICATIONS<br/>PROVIDED BY SUPPLY DIVISION ONLY &amp; ANY RELATED ADDENDA.<br/>ALL INQUIRES MUST BE IN WRITING (LETTER/E-MAIL/FAX)<br/>TO THE FOLLOWING BUYER:</p> <p>LYNN CRAWFORD, CPPB - crawfordl@stlouis-mo.gov<br/>FAX# 314-622-4141 PHONE# 314-622-4716</p> <p>***** WEBSITE INFORMATION *****</p> <p>* TO DOWNLOAD SUPPLY BIDS GO TO: *</p> <p>* HTTP://STLOUIS-MO.GOV/SUPPLY/BID-NOTICES.CFM *</p> <p>* CLICK ON BID NOTICES *</p> <p>*****</p> |          |      |             |                |               |                |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |          |      |             |                |               | <b>TOTAL →</b> |

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| NAME OF FIRM | STATE DELIVERY: |            | COMPTROLLER         | Date |
| ADDRESS      | CALENDAR DAYS   |            |                     |      |
| CITY         | STATE           | SIGNED BY: | SUPPLY COMMISSIONER | Date |
| PHONE        | Area Code ( )   |            |                     |      |

# MX405 and MX410 Miniature Gooseneck Microphones

## Overview

Flexible in more ways than one, Microflex Miniature Gooseneck microphones deliver unsurpassed style and performance for conference rooms and similar applications. Offering desktop or mounted bases, wired or wireless options, and even interchangeable cartridges, it's easy to get the perfect fit for your conferencing installation. Fully compatible with SLX® wireless systems, including the SLX4L wireless receiver with logic output for applications requiring logic functionality.

## Specifications (subject to change)

|                                                          |                                                                                                                                                                                                                                                                |
|----------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Type                                                     | Condenser (electret bias)                                                                                                                                                                                                                                      |
| Frequency Response                                       | 50–17000 Hz                                                                                                                                                                                                                                                    |
| Polar Pattern (at 1 kHz)                                 | MX405/C, MX410/C: Cardioid<br>MX405/S, MX410/S: Supercardioid                                                                                                                                                                                                  |
| Output Impedance                                         | EIA Rated at 150 $\Omega$ (170 $\Omega$ actual)                                                                                                                                                                                                                |
| Output Configuration                                     | Active Balanced                                                                                                                                                                                                                                                |
| Sensitivity (at 1 kHz, open circuit voltage)             | Cardioid: -35 dBV/Pa (18 mV)<br>Supercardioid: -34 dBV/Pa (21 mV)<br>1 Pascal=94 dB SPL                                                                                                                                                                        |
| Maximum SPL (1 kHz at 1% THD, 1 kW load)                 | Cardioid: 121 dB<br>Supercardioid: 120 dB                                                                                                                                                                                                                      |
| Equivalent Output Noise (A-weighted)                     | Cardioid: 28 dB SPL<br>Supercardioid: 27 dB SPL                                                                                                                                                                                                                |
| Signal-to-Noise Ratio (referenced at 94 dB SPL at 1 kHz) | Cardioid: 66 dB<br>Supercardioid: 68 dB                                                                                                                                                                                                                        |
| Dynamic Range (1 k $\Omega$ load at 1 kHz)               | 93 dB                                                                                                                                                                                                                                                          |
| Common Mode Rejection (10 Hz to 100 kHz)                 | 45 dB minimum                                                                                                                                                                                                                                                  |
| Preamplifier Output Clipping Level (1% THD)              | -8 dBV (0.4 V)                                                                                                                                                                                                                                                 |
| Polarity                                                 | 3-Pin XLR: Positive sound pressure on diaphragm produces positive voltage on pin 2 relative to pin 3 of output XLR connector.<br>5-Pin XLR: Positive sound pressure on diaphragm produces positive voltage on pin 4 relative to pin 2 of output XLR connector. |
| Weight                                                   | MX405: 0.054 kg (0.119 lbs)<br>MX410: 0.068 kg (0.150 lbs)<br>MX400DP: 0.516 kg (1.138 lbs)<br>MX400SMP (w/ Kit): 0.125 kg (0.275 lbs)                                                                                                                         |
| Logic Connections                                        | LED IN: Active low ( $\leq 1.0V$ ), TTL compatible. Absolute maximum voltage: -0.7V to 50V.<br>LOGIC OUT: Active low ( $\leq 1.0V$ ), sinks up to 20mA, TTL compatible. Absolute maximum voltage: -0.7V to 50V (up to 50V through 3k $\Omega$ ).               |
| Mute Switch Attenuation                                  | -50 dB minimum                                                                                                                                                                                                                                                 |
| Cable                                                    | MX400DP: 6.1 m (20 ft) attached cable with shielded audio pair terminated at a 3-pin male XLR and three unterminated conductors for logic control                                                                                                              |
| Environmental Conditions                                 | Operating Temperature: -18–57 °C (0–135 °F)<br>Storage Temperature: -29–74 °C (-20–165 °F)<br>Relative Humidity: 0–95%                                                                                                                                         |
| Power Requirements                                       | 48–52 Vdc phantom, 8.0 mA                                                                                                                                                                                                                                      |

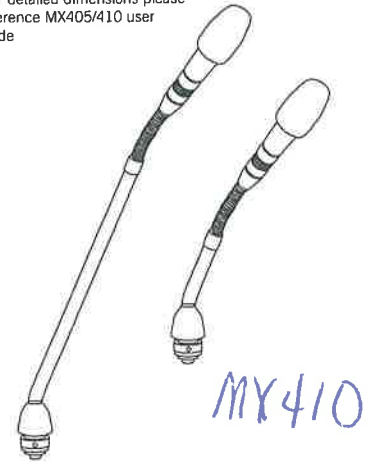
## Available Models

The polar pattern of the cartridge is indicated by the model number suffix: C = Cardioid, S = Supercardioid, N = No Cartridge

|                      |                                                                                           |
|----------------------|-------------------------------------------------------------------------------------------|
| MX405/C, MX405/S     | 5 inch (127 mm) Gooseneck, bi-color status indicator ring, includes surface mount preamp  |
| MX405R/N             | 5 inch (127 mm) Gooseneck, light ring, includes surface mount preamp                      |
| MX410/C, MX410/S     | 10 inch (254 mm) Gooseneck, bi-color status indicator ring, includes surface mount preamp |
| MX410R/N             | 10 inch (254 mm) Gooseneck, no cartridge, light ring, includes surface mount preamp       |
| MX405LP/C, MX405LP/S | 5 inch (127 mm) Gooseneck, bi-color status indicator ring, less preamp                    |
| MX405RLP/N           | 5 inch (127 mm) Gooseneck, no cartridge, light ring, less preamp                          |
| MX410LP/C, MX410LP/S | 10 inch (254 mm) Gooseneck, cardioid, bi-color status indicator ring, less preamp         |
| MX410RLP/N           | 10 inch (254 mm) Gooseneck, no cartridge, light ring, less preamp                         |

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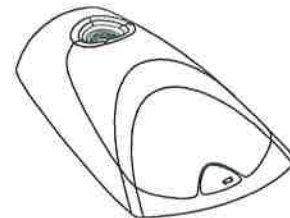
\*for detailed dimensions please  
reference MX405/410 user  
guide



MX410 and MX405  
Miniature Goosenecks



MX400SMP  
Surface Mount Preamp



MX400DP  
Wired Desktop Base (also available as MX890  
Wireless Desktop Base)

# MX405 and MX410 Miniature Gooseneck Microphones

## Optional Accessories and Replacement Parts

|                 |                                                             |              |                                                          |                |                            |              |                     |
|-----------------|-------------------------------------------------------------|--------------|----------------------------------------------------------|----------------|----------------------------|--------------|---------------------|
| <b>MX400SMP</b> | Surface Mount Preamp                                        | <b>R185B</b> | Black Cardioid Cartridge for All Microflex Models        | <b>A412MWS</b> | Metal Locking Windscreen   | <b>A99WS</b> | Big Foam Windscreen |
| <b>MX400DP</b>  | Wired Desktop Base. Includes 10 ft. (6.1 M) attached cable  | <b>R184B</b> | Black Supercardioid Cartridge for All Microflex Models   | <b>95A2487</b> | Tapered Windscreen         |              |                     |
| <b>MX890</b>    | Wireless Desktop Base. Compatible with SLX wireless systems | <b>R183B</b> | Black Omnidirectional Cartridge for All Microflex Models | <b>RK412WS</b> | Microflex Windscreen (4pk) |              |                     |

## Furnished Accessories

| Models with included Preamp |                        | All Models     |                          |
|-----------------------------|------------------------|----------------|--------------------------|
| <b>MX400SMP</b>             | Surface Mount Preamp   | <b>RK513WS</b> | Snap-Fit Foam Windscreen |
| <b>65A2166</b>              | Rubber Isolation Rings |                |                          |
| <b>65A2190</b>              | Wing Nut               |                |                          |
| <b>95A1118</b>              | 5 Pin XLR-F            |                |                          |
| <b>65A2166</b>              | Cap                    |                |                          |

## Architectural Specifications

**MX405/C** - The microphone shall be an electret condenser 5" gooseneck microphone (12.7 cm) with cardioid polar pattern, black finish, and logic controlled bi-colored status indicator. The microphone shall be mounted in the included MX400SMP preamp. The microphone shall be resistant to RF interference from portable mobile and handheld devices. The frequency response shall be 50 Hz to 17 kHz and the sensitivity shall be 18 mV/Pa.

**MX405/S** - The microphone shall be an electret condenser 5" gooseneck microphone (12.7 cm) with supercardioid polar pattern, black finish, and logic controlled bi-colored status indicator. The microphone shall be mounted in the included MX400SMP preamp. The microphone shall be resistant to RF interference from portable mobile and handheld devices. The frequency response shall be 50 Hz to 17 kHz and the sensitivity shall be 21 mV/Pa.

**MX410R/N** - The microphone shall be an electret condenser 10" gooseneck microphone (25.4 cm) with no included cartridge, black finish, and logic controlled, upper red light ring status indicator. The microphone shall be mounted in the included MX400SMP preamp. The microphone shall be resistant to RF interference from portable mobile and handheld devices.

**MX410/C** - The microphone shall be an electret condenser 10" gooseneck microphone (25.4cm) with cardioid polar pattern, black finish, and logic controlled bi-colored status indicator. The microphone shall be mounted in the included MX400SMP preamp. The microphone shall be resistant to RF interference from portable mobile and handheld devices. The frequency response shall be 50 Hz to 17 kHz and the sensitivity shall be 18 mV/Pa.

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**MX405LP/C** - The microphone shall be an electret condenser 5" gooseneck microphone (12.7 cm) with cardioid polar pattern, black finish, and logic controlled bi-colored status indicator. The microphone shall be compatible with the MX400SMP or MX890. The microphone shall be resistant to RF interference from portable mobile and handheld devices. The frequency response shall be 50 Hz to 17 kHz and the sensitivity shall be 18 mV/Pa.

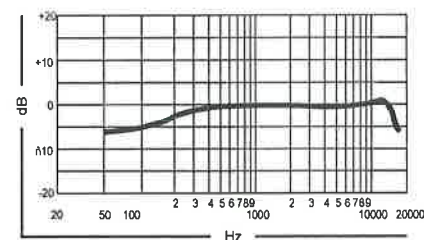
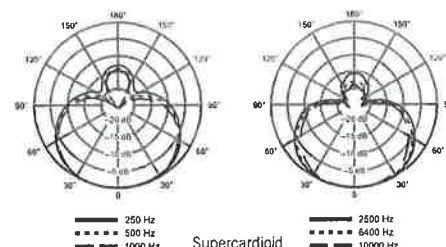
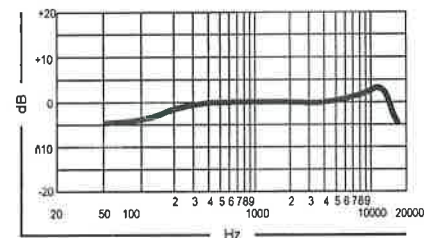
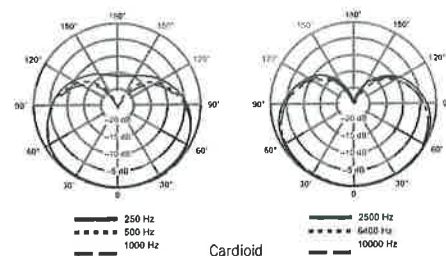
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Fax: 49-7131-721414  
Email: info@shure.de

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Fax: 852-2893-4055  
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Niles, IL 60714-4608 USA  
Phone: 847-600-2000  
Fax: 847-600-6446  
Email: international@shure.com



# MX690 Wireless Boundary and MX890 Wireless Desktop Base

## Overview

The Microflex Wireless Boundary microphone offers total freedom of placement with no holes to drill or cables to run for installation. The Wireless Boundary Microphone is the perfect solution for conference and meeting spaces where users demand flexibility and high performance. Compatible with Shure SLX® wireless systems, including the SLX4L receiver with logic output for applications requiring logic functionality.

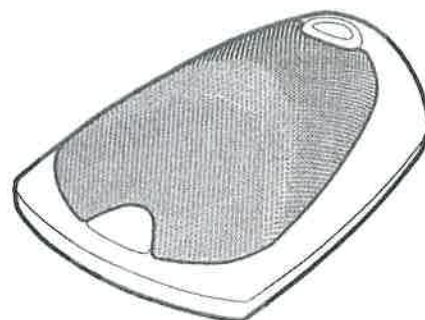
## Specifications (subject to change)

### MX690 Microphone Specifications

|                                              |                                                                                                                                              |
|----------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------|
| Type                                         | Condenser (electret bias)                                                                                                                    |
| Frequency Response                           | 50–17000 Hz                                                                                                                                  |
| Polar Pattern (at 1 kHz)                     | Cardioid                                                                                                                                     |
| Sensitivity (at 1 kHz, open circuit voltage) | –33 dBV/Pa (33 mV)<br>1 Pascal=94 dB SPL                                                                                                     |
| Dynamic Range                                | 96 dB (1 kΩ load at 1 kHz)                                                                                                                   |
| Common Mode Rejection                        | 45 dB minimum (10 Hz to 100 kHz)                                                                                                             |
| Preamplifier Output Clipping Level           | –6 dBV (0.5 V) (1% THD)                                                                                                                      |
| Polarity                                     | Positive sound pressure on diaphragm produces positive voltage on pin 2 relative to pin 3 of output XLR connector or tip of 1/4" phone plug. |

### MX690 and MX890 Transmitter Specifications

|                             |                                                                                                    |
|-----------------------------|----------------------------------------------------------------------------------------------------|
| Operating Range             | 30 m (100 ft.)<br>Note: Actual range depends on RF signal absorption, reflection, and interference |
| Frequency Stability         | ±10 ppm                                                                                            |
| Maximum Frequency Deviation | 45 kHz                                                                                             |
| Oscillator Type             | Phase-locked loop (PLL) controlled synthesizer                                                     |
| Power Requirements          | 3V (2 AA alkaline or rechargeable batteries)                                                       |
| Battery Life                | ≥8 hours (alkaline)                                                                                |
| Power Consumption           | 130 mA, ±15 mA                                                                                     |
| Operating Temperature Range | –18–57 °C (0–135 °F)<br>Note: Battery may limit this range                                         |
| Dimensions                  | 43 mmH x 87 mmW x 148 mmD (1 11/16 x 3 3/8 x 5 13/16 in.)                                          |
| Weight                      | Net: 318 g (11.2 oz)<br>Packaged: 516 g (18.2 oz)                                                  |



**MX690**  
Wireless Boundary Mic  
L x W x H: 5 13/16" x 3 3/8" x 1 11/16"  
(148 mm x 87 mm x 43 mm)



**MX890**  
Wireless Desktop Base  
L x W x H: 5 3/4" x 3 7/16" x 1 11/16"  
(146 mm x 87 mm x 43 mm)

## Available Models

|       |                                                               |
|-------|---------------------------------------------------------------|
| MX690 | Wireless Boundary Microphone, cardioid, mute switch           |
| MX890 | Wireless Desktop Base for MX405 and MX410 models, mute switch |

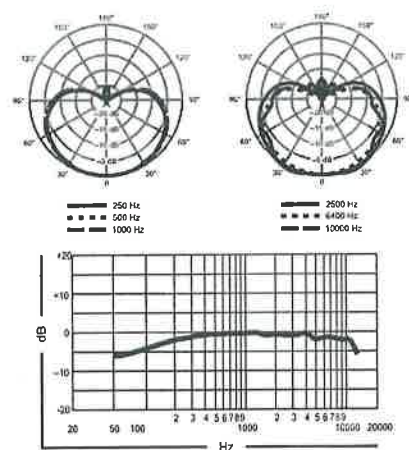
## Optional Accessories

|      |                             |       |                                               |
|------|-----------------------------|-------|-----------------------------------------------|
| SLX4 | Wireless Diversity Receiver | SLX4L | Wireless Diversity Receiver with Logic Output |
|------|-----------------------------|-------|-----------------------------------------------|

## Architectural Specifications

**MX690** – The microphone shall be a surface mounted, black condenser microphone with a cardioid polar pattern. The microphone shall have an integrated wireless transmitter for audio signals with switchable carrier frequencies as well as preprogrammed groups up to 12 compatible channels. An infrared signal shall be used to synchronize the frequency between transmitter and receiver. The microphone shall be resistant to RF interference from portable mobile and handheld devices. The frequency range shall be 50Hz to 17KHz and the sensitivity shall be 33 mV/Pa.

**MX890** – The wireless desk stand shall be a transmitter base for audio signals with switchable carrier frequencies as well as preprogrammed groups with up to 12 compatible channels. An infrared signal shall be used to synchronize the frequency between transmitter and receiver. The wireless desk stand shall be used with the MX405 and MX410 series gooseneck microphones.



MX690

**SHURE**  
LEGENDARY  
PERFORMANCE™

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**SHURE**  
LEGENDARY  
PERFORMANCE™

SLX® Wireless Systems

# SMART, HARD-WORKING WIRELESS





# SLX® Wireless Microphone Systems

Whether it's for a sound installation or a working band on the road, audio professionals need powerful wireless tools that can be set up quickly and used confidently. Shure's rugged SLX Wireless Systems exceed these demands with innovative automatic setup features, exceptional wireless clarity and legendary Shure microphones. Supporting up to 20 compatible systems across multiple UHF frequency bands, SLX smoothly integrates into houses of worship, lecture halls, conference rooms and mobile gear cases.

## Shure's patented Audio Reference Companding

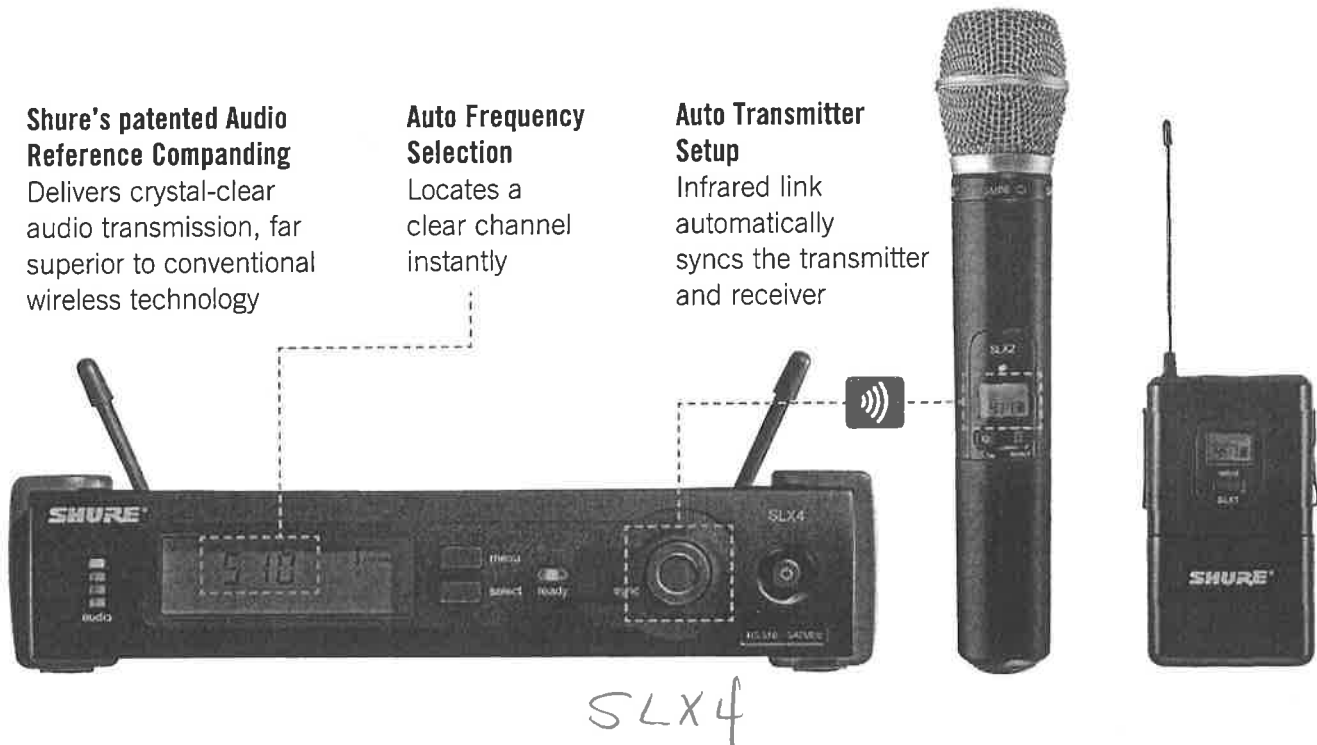
Delivers crystal-clear audio transmission, far superior to conventional wireless technology

## Auto Frequency Selection

Locates a clear channel instantly

## Auto Transmitter Setup

Infrared link automatically syncs the transmitter and receiver



## Wireless Receiver

- Detachable ¼ wave antennas
- Backlit LCD
- Rack-mount hardware included
- ¼" and XLR audio outputs
- Frequency and power lockout
- Volume control on rear of unit
- Rugged metal construction

## Handheld or Bodypack Transmitter

- Choice of Shure handheld microphones
- Bodypack works with headworn, lavalier and instrument microphones and cables
- Timed backlit LCD
- Frequency and power lockout
- 2 AA batteries (included) provide 8 hours of continuous use
- 100m (300 ft.) operating range

## Available System Options

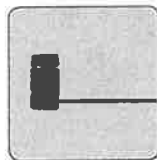
### HANDHELD



SM58®  
SM86  
BETA 58A®

BETA 87A  
BETA 87C

### LAVALIER



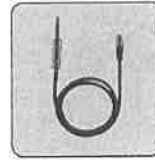
WL93  
WL184  
WL185

### HEADWORN



WH30TQG

### GUITAR



WA302

### INSTRUMENT



WB98H/C

**Systems include:**  
SLX4 Diversity Receiver and a choice of  
Handheld Microphone Transmitter.

SLX24/SM58  
SLX24/SM86  
SLX24/BETA58

SLX24/BETA87A  
SLX24/BETA87C

**Systems include:**  
SLX4 Diversity Receiver, SLX1 Bodypack Transmitter  
and a choice of Microphone or Guitar/Bass Cable.

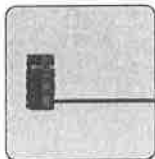
SLX14/93  
SLX14/84  
SLX14/85

SLX14/30

SLX14

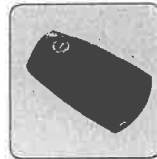
SLX14/BETA98H

### COMBO



SM58®  
WL185

### MICROFLEX® WIRELESS BOUNDARY/GOOSENECK



MX690



MX405  
with MX890



MX410  
with MX890

**System includes:**  
SLX4 Diversity Receiver, SLX1 Bodypack  
Transmitter and SLX2 handheld Transmitter.

SLX124/85/SM58

Microflex Microphones are sold as components only.

### Optional Accessories

- UA221** Passive Antenna Splitter
- UA505** Remote Mount Kit for ½ wave antennas
- UA820** ½ Wave Antennas
- UA825** 25' cable for ½ wave antennas
- UA844** Antenna/Power Distribution System
- UA850** 50' cable for ½ wave antennas
- UA830** Active Remote Antenna Kit (UA844 required)
- UA870** Active Directional Antenna (UA844 required)
- WA610** Universal Hard Carrying Case transmitter

### Optional Logic Functionality

A logic circuit and associated block connector is provided on the SLX4L receiver, designed to function optimally with software echo cancellers and provide remote monitoring of transmitter battery life. Supported models include MX690, MX890, and SLX4L receiver.

- SLX4L** Wireless Receiver with Logic
- MX690** Microflex® Wireless Boundary Microphone
- MX890** Microflex® Wireless Desktop Base

SLX 4

## System Specifications

NOTE: All specifications are subject to change.

### Frequency Range and Transmitter Output Level

| Band | Range       | SLX1/SLX2 | MX690/<br>MX890 |
|------|-------------|-----------|-----------------|
| H5   | 518-542 MHz | 30 mW     | 10 mW           |
| J3   | 572-596 MHz | 28 mW     | 28 mW           |
| L4   | 638-662 MHz | 30 mW     | 10 mW           |
| P4   | 702-726 MHz | 30 mW     | 10 mW           |
| R5   | 800-820 MHz | 20 mW     | 10 mW           |
| S6   | 838-865 MHz | 10 mW     | 10 mW           |
| JB   | 806-810 MHz | 10 mW     | 10 mW           |
| Q4   | 740-752 MHz | 10 mW     | 10 mW           |
| R13  | 794-806 MHz | 20 mW     | 10 mW           |
| G4   | 470-494 MHz | 30 mW     | 10 mW           |
| G5   | 494-518 MHz | 30 mW     | 10 mW           |

### Operating Range:

30-100 m (100-300 ft.) under typical conditions, depending on transmitter type

Note: actual range depends on RF signal absorption, reflection, and interference.

### Audio Frequency Response:

Minimum: 45 Hz, Maximum: 15 kHz ( $\pm 2$  dB)

### Total Harmonic Distortion:

0.5%, typical (ref.  $\pm 38$  kHz deviation, 1 kHz tone)

### Dynamic Range:

>100 dB A-weighted

### Operating Temperature Range:

-18°C (0°F) to +50°C (+122°F)

Note: battery characteristics may limit this range.

### Transmitter Audio Polarity:

Positive pressure on microphone diaphragm (or positive voltage applied to tip of WA302 phone plug) produces positive voltage on pin 2 (with respect to pin 3 of low impedance output) and the tip of the high impedance 1/4-inch output.

NOTE: This radio apparatus may be capable of operating on some frequencies not authorized in your region. Please contact your national authority to obtain information on authorized frequencies and output power levels for wireless microphone products in your region.

## Component Specifications

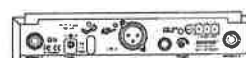
### Receiver



SLX4 Receiver Front



SLX4 Receiver Rear



SLX4L Receiver Rear

### SLX4/SLX4L

#### Housing:

Galvanized steel

#### Audio Output Level:

(ref.  $\pm 38$  kHz deviation with 1 kHz tone)

XLR connector (into 600  $\Omega$  load):

-13 dBV

1/4 inch connector (into 3000  $\Omega$  load):

-2 dBV

#### Sensitivity:

-105 dBm for 12 dB SINAD, typical

#### Image Rejection

>70 dB, typical

#### Power:

12-18 Vdc at 150 mA, supplied by external power supply

#### Weight:

816 g (1 lb, 13 oz.)

#### Dimensions:

42 mm H x 197 mm W x 134 mm D

### Handheld Transmitter



### SLX2

#### Housing:

Molded ABS handle and battery cup

#### Audio Input Level:

-8 dBV maximum at 0dB position

#### Operating range:

100 m (300 ft.)

#### Power Requirements:

2 "AA" size alkaline or rechargeable batteries

#### Battery Life (alkaline):

>8 hours

#### Weight:

290 grams (10.2 oz.) without batteries

#### Dimensions:

254 mm x 51 mm dia.  
(incl. SM58 cartridge)

### Bodypack Transmitter



### SLX1

#### Housing:

Molded ABS case

#### Audio Input Level:

+10 dBV max. at 0 dB gain position

#### Operating range:

100 m (300 ft.)

#### Power Requirements:

2 "AA" size alkaline or rechargeable batteries

#### Battery Life (alkaline):

>8 hours

#### Weight:

81 grams (3 oz.) without batteries

#### Dimensions:

108 mm H x 64 mm W x 19 mm D

### Wireless Boundary Microphone

### Gooseneck Microphone with Wireless Desktop Base



### MX690

#### Operating Range:

30 m (100 ft.) Note: Actual range depends on RF signal absorption, reflection, and interference

#### Type:

Condenser (electret bias)

#### Polar Pattern (at 1 kHz):

Cardioid

#### Power Requirements:

2 "AA" size alkaline or rechargeable batteries

#### Battery Life:

$\geq 8$  hours (alkaline)

#### Dimensions:

43 mm H x 87 mm W x 148 mm D

#### Weight:

Net: 318 g (11.2 oz)

Packaged: 516 g (18.2 oz)



### MX405 & MX410

#### Type:

Condenser (electret bias)

#### Polar Pattern:

MX405/C, MX410/C: Cardioid

MX405/S, MX410/S:

Supercardioid

#### Weight:

Net MX405: 54 g (1.9 oz)

Net MX410: 68 g (2.3 oz)

#### Dimensions:

MX405: 152 mm L x 7.5 mm dia.

MX410: 251 mm L x 7.5 mm dia.

### MX890

#### Operating Range:

30 m (100 ft.) Note: Actual range depends on RF signal absorption, reflection, and interference

#### Power Requirements:

2 "AA" size alkaline or rechargeable batteries

#### Battery Life:

$\geq 8$  hours (alkaline)

#### Weight:

Net: 312 g (11 oz)

#### Dimensions:

43 mm H x 87 mm W x 148 mm D



Audio  
Reference  
Companding

- No "breathing" noise
- Lower noise floor
- More headroom - won't clip as easily
- Clearer sound at all audio levels
- Sounds more like a wired mic

**SHURE**  
LEGENDARY  
PERFORMANCE™

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Hong Kong

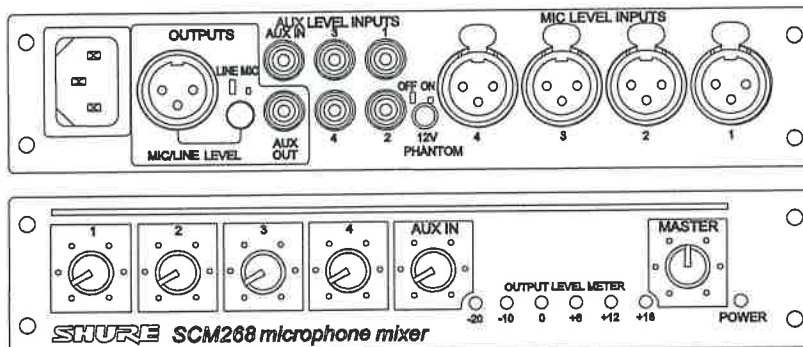
Phone: 852-2893-4290  
Fax: 852-2893-4055  
Email: info@shure.com.hk

### SCM268 TRANSFORMER BALANCED MICROPHONE MIXER

The Shure Model SCM268 is a transformer-balanced, four-channel microphone mixer. Its simple, compact design delivers superior performance and exceptional sound quality with low noise and a flat frequency response.

Versatile in all types of applications, the SCM268 integrates transformer-balanced XLR inputs, a switchable microphone/line level transformer-balanced XLR output, phono jack inputs and output, phantom power, and an auxiliary input channel. It can function as a primary or add-on mixer for sound reinforcement, recording, broadcast, or audio-visual presentation systems.

With the supplied hardware, the mixer's half-rack chassis mounts securely in single or dual rackmount installations. For fixed installations, the SCM268 can be fastened on or below a shelf, counter, or tabletop.



#### SYSTEM FEATURES

- Four transformer-balanced microphone inputs
- Transformer-balanced output-switchable mic/line level
- Five -10 dB line-level inputs
- Six-segment LED output level meter
- Built-in 12-volt phantom power
- Internal power transformer
- Built-in low-cut filter on microphone inputs (below 80 Hz)

#### SPECIFICATIONS

*Measurement Conditions (unless otherwise specified): Line voltage 120 Vac, 60 Hz (SCM268) or 230 Vac, 50 Hz (SCM268E); full gain; 1 kHz, one channel activated; source impedances: Mic 150  $\Omega$ , Aux Level 150  $\Omega$ ; terminations: Line 600  $\Omega$ , Mic 600  $\Omega$ , Aux Out 10 k $\Omega$ . 12 V phantom power off.*

##### Frequency Response (Ref 1 kHz, controls centered)

Microphone Inputs: 150 Hz to 20 KHz + 2 dB (built-in 80 Hz low-cut)

Auxiliary Inputs: 20 Hz to 20 kHz + 2 dB

##### Low-Cut Filter (Microphone inputs only)

3dB down at 80 Hz, 6 dB/octave

##### Gain (typical, controls full clockwise)

| Input                             | Output |       |         |
|-----------------------------------|--------|-------|---------|
|                                   | Mic    | Line  | Aux Out |
| Low-impedance mic (150 $\Omega$ ) | 38 dB  | 76 dB | 65 dB   |
| Aux Level                         | 3 dB   | 40 dB | 29 dB   |

##### Inputs

| Input     | Impedance             |                  | Input Clipping Level |
|-----------|-----------------------|------------------|----------------------|
|           | Designed for use with | Actual (typical) |                      |
| Mic       | 19-600 $\Omega$       | 1.2 k $\Omega$   | -5 dBV               |
| Aux Level | 32 k $\Omega$         | 21 k $\Omega$    | >28 dBV              |

##### Outputs

| Output  | Impedance             |                  | Output Clipping Level |
|---------|-----------------------|------------------|-----------------------|
|         | Designed for use with | Actual (typical) |                       |
| Mic     | low-Z inputs          | 0.2 $\Omega$     | -21 dBV               |
| Line    | >600 $\Omega$         | 72 $\Omega$      | +18 dBV               |
| Aux Out | >2 k $\Omega$         | 870 $\Omega$     | +7 dBV                |

##### Total Harmonic Distortion

<0.25% at +4 dBu output level (through 22 Hz-22 kHz filter; Input 1 and Master centered, all other controls full counter clockwise)

##### Hum and Noise (150 $\Omega$ source; through 22 Hz-22 kHz filter)

Equivalent Input Hum and Noise: -124 dBV

##### Output Hum and Noise (through 22 Hz-22 kHz filter; channel controls full counterclockwise)

Master full counterclockwise: -92 dBV

Master full clockwise: -70 dBV

##### Common Mode Rejection

>80 dB at 1 kHz

##### Polarity

All inputs to all outputs are non-inverting

##### Overload and Shorting Protection

Shorting outputs, even for prolonged periods, causes no damage.

Microphone inputs are not damaged by signals up to +10 dBV;

Auxiliary Inputs by signals up to +36 dBV

# SCM268 MICROPHONE MIXER SPECIFICATION SHEET

## Phantom Power

12 Vdc open-circuit through 340 $\Omega$  series resistance

## Operating Voltage

SCM268: 100-120 Vac rated nominal, 50/60 Hz, 60 mA

SCM268E: 220-240 Vac rated nominal, 50/60 Hz, 30 mA

## Temperature Range

Operating: -7° to 49° C (20° to 120° F)

Storage: -29° to 74° C (-20° to 165° F)

## Overall Dimensions

44 mm H x 218 mm W x 162 mm D

(1.72 x 8.60 x 6.37 inches)

## Net Weight

1.20 Kg (2 lbs, 10 oz)

## Certifications

SCM268: UL & cUL Listed by Underwriters Laboratories, Inc.

SCM268E: Eligible to bear CE Marking. Conforms to European EMC Directive 89/336/EEC. Meets applicable tests and performance criteria in European Standard EN55103 (1996) parts 1 and 2, for residential (E1) and light industrial (E2) environments.

## REPLACEMENT PARTS

|                                                      |          |
|------------------------------------------------------|----------|
| Knob, Master (blue) .....                            | 95B8752  |
| Knob, Channel Gain (white) .....                     | 95A8752  |
| Line (Power) Cords:                                  |          |
| SCM268: 100-120 Vac (US/Canada) .....                | 95A8762  |
| SCM268E: 220-240 Vac (EU) .....                      | 95A8778  |
| Fuse, SCM268 (5x20 mm, 250V, 80mA, slow-blow) .....  | 80A730   |
| Fuse, SCM268E (5x20 mm, 250V, 40mA, slow-blow) ..... | 80J258   |
| Hardware Kit .....                                   | 90AA8100 |
| Link Bars (Bracket) .....                            | 53A8443  |
| Single Mount Kit .....                               | 53A8484  |
| Dual Mount Kit .....                                 | 53B8484  |
| Optional Accessories Line (Power) Cord,              |          |
| 230-240 Vac (UK) .....                               | 95A8713  |
| Line (Power) Cord, 230-240 Vac (UK) .....            | 95A8713  |



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Elsewhere, Phone: 847-866-2200 Fax: 847-866-2585





**CITY OF ST. LOUIS  
DEPARTMENT OF FINANCE  
OFFICE OF THE SUPPLY COMMISSIONER**

**CAROL L. SHEPARD, CPA  
SUPPLY COMMISSIONER**

**FRANCIS G. SLAY  
MAYOR**

**1200 MARKET ST RM 324  
SAINT LOUIS MO 63103  
PHONE 314-622-4580  
FAX 314-622-4141**

**ATTENTION BIDDERS**

*Please carefully review all information requested in this bid package.*

*Failure to submit requested samples, literature or any other requested information may result in disqualification of your bid or any portion of your bid.*

*Also the reasons indicated below may disqualify your bid. If you have any questions, call the buyer indicated in this bid package.*

**This form must be returned with your bid.**

- Two or more bids submitted for one item, unless instructed to do so. (item rejected)
- Signature missing on bid or any required form.
- Buy American Form not completed or returned. (may be rejected)
- M/WBE Form not completed or returned. (may be rejected)
- Altered or erased unit prices must be initialed.
- Faxed bid, unless specifically requested (will be rejected).
  
- FOR CONTRACTS ONLY: Please provide your DUNS # \_\_\_\_\_
- FOR CONTRACTS ONLY: Failure to submit required Bond by the date indicated.

***I certify that I have read and understand the information above.***

\_\_\_\_\_  
Signature

\_\_\_\_\_  
Date

# ST. LOUIS DOMESTIC PRODUCTS PROCUREMENT ACT

The City of St. Louis has enacted an ordinance relating to the purchase of domestic products by City government, with penalty provisions. The ordinance amends Section 5.58.010 Revised Code of the City of St. Louis, 1986, as amended by adding thereto new subsections dealing with the requirement that the Supply Commissioner or his designee give preference to goods or commodities manufactured in the United States of America, stating exceptions to said policy. Sections one through six are reprinted below.

**Section One.** Section 5.58.010 Revised Code of the City of St. Louis is hereby amended by adding the following language: Each solicitation to bid and the method of describing the items to be bid upon of any goods or commodities sought to be purchased by the Office of Supply Commissioner, and any contract entered into by and on behalf of the City of St. Louis and executed by the Mayor and/or the Comptroller of the City of St. Louis wherein the construction, alteration, repair or maintenance of any public works is the subject of the contract so executed, shall contain a provision that the goods or commodities furnished or used in the furtherance of said project by any contractor or subcontractor, manufacturer or supplier as the case may be, shall be manufactured, assembled or produced in the United States, and said requirement as defined above shall be stated in said bid.

**Section Two.** The provision of Section One of this Ordinance shall not apply in the following instances:

- (i) Where the item purchased as the contract entered into for repairs or renovation is less than One Thousand (\$1,000.00) Dollars.
- (ii) Where no line of a particular good or product is manufactured, assembled or produced in the United States.
- (iii) Where the acquisition of United States manufactured or produced goods would increase the cost by more than (10%) percent.

**Section Three.** The certificate required by this section shall specify the nature of the contract, the product being purchased or leased, the names and addresses of the United States manufacturers and producers contracted by the Commissioner or the project architect or engineer, and an indication that such manufacturers or producers could not supply sufficient quantities or that the price of the products would increase the cost of the contract by more than ten percent.

**Section Four.** No public agency may authorize, provide for, or make any payment to any vendor or contractor upon any contract in violation of section 2 of this act. Prior to the awarding of the bid and before any public agency authorizes, provides, or makes payment to any vendor or contractor upon any contract to which section 2 or 6 of this act applies, the vendor or contractor shall provide proof of compliance with section 2, and, if applicable, section 6 of this act. Any vendor or contractor who knowingly misrepresents any material fact to the public agency concerning the origin of any manufactured goods or commodities shall be guilty of a Class A misdemeanor.

**Section Five.** Sections 1 to 6 of this act shall apply only to contracts and subcontracts entered into after the effective date of this act, and shall not limit the use or supply of manufactured goods or commodities purchased or leased prior to the effective date of this act.

**Section Six.** Nothing in sections 1 or 6 of this act is intended to contravene any existing treaty, law, agreement, or regulation of the United States. All contracts under section 1 or 6 of this act shall be entered into in accordance with existing treaty, law, agreement, or regulation of the United States including all treaties entered into between foreign countries and the United States regarding export-import restrictions and international trade and shall not be in violation of sections 1 to 6 of this act to the extent of such accordance.

## Interpretations and Guidelines

**Section One:** "Shall be manufactured" is interpreted to mean to make or process a raw material into a finished product or to turn-out in a mechanical manner. "Assembled" is interpreted to mean to fit or to join together the parts, gather, or to congregate in a manufacturing environment. "Produced" is interpreted to mean to create by manual or physical effort, to make or yield to customary product or products.

**Section Two (I)** This is interpreted to mean less than one thousand dollars in aggregate (total purchases).

(iii) When applying this subsection, multiply the cost of the foreign product by ten percent and compare the cost to the American product. If the American product cost is less than the sum of the cost of the foreign product plus ten percent, the award will be made to the vendor bidding the American product. The price paid by the City of St. Louis will be the actual price bid by the winning bidder.

**Section Three:** "Could not supply sufficient quantities" is interpreted to mean in order to meet the using agency's delivery schedule and in quantity specified.

**Section Four:** The vendor's authorized representative must complete a self-certification form, as required by the existing procedures previously indicated. These certification forms will be used to determine whether the manufacturer or producers could, or could not supply sufficient quantities, or the cost of the products would increase the contract by more than ten percent.

Prior to the City awarding the bid, the vendor shall provide certification that the product being bid is manufactured, assembled or produced in the United States or there is an existing treaty, law or regulation whereby the product bid shall be treated the same as product manufactured, assembled or produced in the United States. The procuring agency shall accept the self certification in order to apply the percentage differential that is applicable under this law. Failure to provide certification shall cause the city to presume that such product is not American made and preference shall not be considered for that product.

# CERTIFICATION FORM

## ST. LOUIS DOMESTIC PRODUCTS PROCUREMENT ACT

### (BUY AMERICAN)

Bidders are advised of legislation enacted by the City of St. Louis which requires all manufactured goods or commodities used or supplied in the performance of this contract or any subcontract to be manufactured, assembled or produced in the United States, unless obtaining American made products would increase the cost of this contract by more than ten percent.

Section Four requires the vendor or contractor to certify his compliance with this legislation and if applicable, Section Six, if preference is claimed.

This legislation does not apply if the total bid is less than one thousand dollars (\$1,000.00).

Bids received will be evaluated on the basis of this legislation. Certificates of compliance must be completed and returned to be considered for preference. Failure to provide certification shall cause the City to presume that such product is not American made.

☐

#### CERTIFICATION

If **all** the specified goods or products are manufactured, assembled or produced in the United States, check box at left and complete certification at the bottom of this form.

☐

#### SECTION SIX CERTIFICATION

If any or all of the specified goods or products are manufactured, assembled or produced in a country other than the "United States", and exemption is requested because such product is Fair Trade Product: (a) list the country, other than the United States, where each good or product you propose to furnish is manufactured, assembled or produced; (b) check box at left of this paragraph and list corresponding commodities and (c) complete Section Six Documentation portion below.

**Item Number(s)**

**Location Where Item Manufactured, Assembled or Produced**

|  |  |
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#### SECTION SIX DOCUMENTATION

The specified goods or products are treated as manufactured, assembled or produced in the United States under an existing treaty, law, agreement or regulation of the United States regarding export-import restrictions and international trade. List item Number(s) and Treaties covering item below.

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#### DEFINITIONS

**MANUFACTURED** - to make or process a raw material into a finished product; create, or to produce or to turn-out in a mechanical manner.

**ASSEMBLED** - to fit or join together the parts in a manufacturing environment.

**PRODUCED** - create by manual or physical effort, to make or yield the customary product or products.

#### MUST BE COMPLETED AND SIGNED

I hereby certify that the above information is true and correct and further certify that this statement complies with all provisions of Section 5.58.010 Revised Code of the City of St. Louis, 1985, as amended.

**FIRM NAME:** \_\_\_\_\_

**ADDRESS:** \_\_\_\_\_

**CITY:** \_\_\_\_\_ **STATE:** \_\_\_\_\_ **ZIP:** \_\_\_\_\_

**BY:** \_\_\_\_\_

(SIGNATURE and TITLE)

**CITY OF ST. LOUIS/SUPPLY DIVISION  
MINORITY/WOMEN BUSINESS ENTERPRISES FORM  
(M/WBE FORM)**

**A. Mayor's Executive Order #28, Section Six - Supply Contracts**

1. The goal of the City of St. Louis is that 25% of the value of all contracts let and purchases made by the Supply Commissioner shall be let or made with Minority Business Enterprises (MBEs) and that 5% of the value of all contracts let and purchases made by the Supply Commissioner shall be let or made with Women's Business Enterprises (WBEs).
2. All contracts let by the Supply Division for the purchase or lease of materials, equipment, supplies, commodities or services, the estimated cost of which exceeds \$500, shall be subject to this goal.
3. The methods by which the Supply Commissioner shall pursue this goal shall include but not be limited to the following:
  - a. The Supply Commissioner shall solicit bids from minority business enterprises and women's business enterprises certified to supply the required materials, equipment, supplies or services;
  - b. St. Louis Airport Authority (SLAA) shall provide the Supply Commissioner with a list of minority business enterprises and women's business enterprises qualified to provide each of those commodities that the Supply Commissioner indicates are required by the City;
  - c. The Supply Commissioner shall notify SLAA prior to solicitation of bids whenever no such qualified businesses are available;
  - d. SLAA shall attempt to identify such qualified businesses, and if successful, shall notify the Supply Commissioner of their availability; and
  - e. The Supply Commissioner shall provide such minority business enterprises and women's business enterprises every practical opportunity to submit bids.
4. Joint ventures or mentor-protégé relationships between prime contractors and subcontractors with local MBE and WBE firms are encouraged.
5. Participation of MBE and WBE firms located outside the St. Louis Metropolitan Statistical Area (SMSA) shall not count toward the goals established in this order.

**B. SUPPLY DIVISION POLICY**

It is the policy of the Supply Division that all bids/contracts awarded adhere to the Mayor's Executive Order #28. All vendors are encouraged to comply with this policy and all other provisions of Executive Order #28. A copy of Executive Order #28 is available upon request. Each Vendor/Contractor (bidder) must complete, sign and return this M/WBE Form. Failure to complete, sign and return the M/WBE Form will result in the bid being declared non responsive and your bid may be eliminated.

**C. OBLIGATION**

The bidder agrees to make a good faith effort to ensure that M/WBE businesses have an opportunity to participate in the performance of contracts or subcontracts financed in whole or in part with City funds. The bidder will take all necessary and reasonable steps to ensure that said businesses have an opportunity to compete for and perform under this bid/contract. The bidder shall not discriminate on the basis of race, color, national origin or sex in the award and performance of bids/contracts. The Directory of Disadvantaged, Minority and Women Owned Business Enterprises certified by the City of St. Louis, can be viewed at [www.mwdbe.org](http://www.mwdbe.org).

**CITY OF ST. LOUIS/SUPPLY DIVISION  
MINORITY/WOMEN BUSINESS ENTERPRISES FORM  
(M/WBE FORM)**

**D. BID/CONTRACT IDENTIFICATION**

Bid #: \_\_\_\_\_ or Contract Name: \_\_\_\_\_

Opening Date: \_\_\_\_\_ Your Bid Total: \$ \_\_\_\_\_

If your bid is \$500 or higher, please complete Section 'E'. We are NOT requesting information on how your company currently supports M/WBE suppliers. We want to know if there are opportunities you might consider to work with M/WBE suppliers for THIS SPECIFIC bid/contract.

**E. ASSURANCE**

**MBE/WBE Goal: 25% MBE and 5% WBE (Minimum Participation)**

I, acting in my capacity as an officer of the undersigned bidder(s) if a joint venture, hereby assure the City of St. Louis that on this bid/contract my company will: (CHECK ONLY ONE)

☐ Meet or exceed the M/WBE goal with: \_\_\_\_\_% MBE and \_\_\_\_\_% WBE Participation

Proposed MBE Vendor Name: \_\_\_\_\_ Amount \$ \_\_\_\_\_

Item or materials to be supplied by MBE Vendor: \_\_\_\_\_

Proposed WBE Vendor Name: \_\_\_\_\_ Amount\$ \_\_\_\_\_

Item or materials to be supplied by WBE Vendor: \_\_\_\_\_

☐ Fail to meet the M/WBE goal, but made a good faith effort to meet the goals as follows:

\_\_\_\_\_ % MBE and \_\_\_\_\_ % WBE Participation (Enter Proposed Vendor information above.)

☐ Not meet the M/WBE goal for the following reasons(s):(Check All That Apply)

|                          |                                                                                         |
|--------------------------|-----------------------------------------------------------------------------------------|
| <input type="checkbox"/> | Our Company is an MBE certified by the State of: _____                                  |
| <input type="checkbox"/> | Our Company is a WBE certified by the State of: _____                                   |
| <input type="checkbox"/> | We have contacted suppliers listed in the SLAA Directory but have received no reply     |
| <input type="checkbox"/> | There are no subcontracting opportunities for this bid/contract                         |
| <input type="checkbox"/> | We are a Dealer and the order will be drop-shipped from the manufacturer to the user    |
| <input type="checkbox"/> | We are the manufacturer and the order will be drop-shipped from the factory to the user |
| <input type="checkbox"/> | A letter of explanation is attached                                                     |
| <input type="checkbox"/> | Other reason: _____<br>_____                                                            |

FIRM NAME: \_\_\_\_\_

FEDERAL ID NUMBER: \_\_\_\_\_

SIGNATURE: \_\_\_\_\_

FAX NUMBER: \_\_\_\_\_

PRINTED NAME: \_\_\_\_\_

DATE: \_\_\_\_\_

TITLE: \_\_\_\_\_

E-MAIL: \_\_\_\_\_



**ORDINANCE #69431**  
**Board Bill No. 295**  
**Committee Substitute**  
**As Amended**

An Ordinance repealing Section One, part 86.040 of Ordinance 56716, pertaining to the opening of bids, codified as Section 5.58.040 of the Revised Code of the City of St. Louis, and enacting a new provision on the same subject matter which allows a local bidder to match the lowest bid when the lowest bid is from a non-local bidder; enacting a new provision on the same subject matter; containing severability clause.

**WHEREAS**, local businesses which seek to enter into contracts with the City of St. Louis are at a competitive disadvantage with businesses from other areas because of the higher administrative costs of doing business in the City;

**WHEREAS**, the City of St. Louis desires to encourage businesses to remain in the City and to relocate to the City;

**WHEREAS**, by enacting a local preference law that allows a local firm to match the lowest bid when its bid is within 2% percent of the lowest bid, the City hopes to encourage and stimulate local business.

**BE IT ORDAINED BY THE CITY OF ST. LOUIS AS FOLLOWS:**

**SECTION ONE.** Section One, part 86.040, Ordinance 56716 is hereby repealed.

**SECTION TWO.** Enacted in lieu thereof is the following new section.

**5.58.040 - Opening of bids.**

A. Proposals shall be opened at the time and place fixed by the advertisement, in the presence of such bidders as desire to be present, and shall be open to the inspection of bidders.

B. The bids shall not be materially modified or amended as to price, specification or otherwise, nor substitutions placed thereon, after opening except when the lowest bid is from a non-local bidder. When the lowest bid is from a non-local bidder, any local bidder within two percent of the lowest bid may match the lowest bid. If a local bidder matches the lowest bid, then the Supply Commissioner may select the bid from the local bidder. If more than one local bidder is within two percent of the lowest bid, then only the lowest local bidder may match the bid. In all other circumstances, modification, supplementation or amendment shall cause rejection of the bid. For purposes of this chapter, local bidder means a bidder whose principal place of business is within the City of St. Louis, has had a valid business license for at least one year, and is current in payment of local taxes. Principal place of business shall be defined as the business's physical office, plant, or site where a majority (51%) of the full-time employees, chief officer, and managers of the business regularly work and conduct business, or where the plant or office and equipment required for the furnishing of the goods or performance of the services provided to the City, as required by the contract, are physically located in the City of St. Louis for at least one taxable year immediately prior to the date of the bid.

C. Bids may be for one or more or all the articles advertised for, but there shall be a specific bid on each article. The award may be made to the lowest bidder for any article, or to the lowest bidder for the entire requisition or any part thereof, but the Board of Standardization may reject any or all bids or any part of any bid.

**SECTION THREE. Severability.**

The provisions of this section are severable. If any provision of this ordinance is declared invalid, that invalidity shall not affect other provisions of the ordinance which can be given effect without the invalid provision.

Approved: April 29, 2013

**CITY OF ST LOUIS, MISSOURI**  
**INSTRUCTION TO BIDDERS (for request for quotations - RFQs)**

VENDORS SHOULD CAREFULLY READ THE FOLLOWING INSTRUCTIONS AND TERMS AND CONDITIONS, BEFORE SUBMITTING QUOTATION. **CAUTION: THIS IS NOT AN ORDER**

- Quotations will only be accepted on this form which must be returned in a **sealed envelope**. *The upper left corner of the envelope must include the following information: Vendor Name, Quotation Number and the Due By Date.* This information is also required on any mail delivered next day or overnight.
- Quotations should be typewritten or in ink. Altered or erased unit price(s) must be initialed. One copy of Quotation Sheet must be submitted, please retain a copy for your files.
- The Supply Commissioner reserves the right to reject any or all bids.
- The Supply Commissioner reserves the right to make awards on an item basis or on a total basis.
- Bidders must quote Unit Price(s) and Extension on each item. When an error appears on an extension, the Unit Price(s) will govern.
- When Quotation Sheet requests item(s) by brand name and your quote is for an alternate brand – show brand name(s) with model number(s) and attach full specifications.
- When Quotation Sheet has only a general description(s) of item(s) required – show brand name with model number(s) and attach full specifications.
- Suppliers shall not offer more than one bid on each item. Two or more quotations on the same item may cause a rejection of the bid. Suppliers must determine which one of their many styles or types fully meet the specification.
- Freight or delivery charges must be included in quote, or shown separately on quote, so bid can be evaluated.
- **Bids must arrive no later than NOON** on the date stated or will be rejected. Faxed or E-mailed bids are not accepted unless specifically requested.
- Bids will be publicly opened on the date specified beginning at NOON.
- Prices quoted will be considered firm.
- Bids having an acceptance limit of less than 30 days after opening date may be rejected.
- Time of proposed delivery must be stated in definite terms.
- Failure of Bidder to understand the item(s) requested or any part of the specifications will not be a valid reason for bidding on the wrong item(s). Any questions regarding description of item(s) requested should be cleared with the Buyer listed in the bid document.
- **Samples** when requested must be delivered before actual time of bid opening with each sample plainly tagged showing the name of Bidder, Quotation Number, Brand Name and lot number or quality. Submission of samples does not relieve bidder from meeting the specifications as outlined in the Bid Documents unless the bidder specifically states they are bidding on an alternate.
- All samples are to be submitted to the address listed below unless otherwise stated in Bid Documents.
- Deliveries must be accompanied by a packing slip or invoice, listing the Department, Quotation Number, and the exact quantities of each item included in the shipment.
- ONLY U.S.P., N.F., OR N.N.D. DRUGS ARE ACCEPTABLE. ALL DRUGS MUST COME IN MANUFACTURER'S ORIGINAL PACKAGES, PROPERLY SEALED.
- In the event the successful bidder fails to make delivery of any item or items that meet the conditions and requirements as outlined in this proposal within 7 days of time stated by bidder on face of this quotation sheet, the City reserves the right to purchase said item or items on the "OPEN MARKET" and charge any costs above the BID PRICE to the bidder.
- The laws of the State of Missouri provide that the City of St. Louis pay no State Sales or Use Tax or Federal Excise Taxes and these taxes should be excluded from your bid price. Federal Excise Tax Exemption Certificates will be furnished to successful bidder.
- Suppliers shall save harmless the City of St. Louis from the payment of any and all claims or demands arising out of any infringement, alleged infringement, or use of any patent or patented device, article, system, arrangement, material or process used by him in the execution of this contract.
- Supply Division hours are Monday through Friday – 8:00 A.M. to 5:00 P.M. Main Number: 314-622-4580.

**All bids must be submitted in a SEALED ENVELOPE and mailed to:**

SUPPLY COMMISSIONER  
1200 MARKET ST RM 324  
ST LOUIS MO 63103-2842